SWISS TIMING

FIGURE SKATING

ISUSCORE2FS / ISUCALCFS / ISUCUTTERFS

Figure Skating

Quick Reference Guide

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Documentation Updates
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1 INTRODUCTION

About This Document

This is intended to provide an overview and basic information on installing and setting up the ISU Judging System.

Associated Documents

- FS ISUCalcFS Manual
- FS ISUCutterFS Manual
- FS ISUScore2FS Manual

About This Quick Guide

This document contains basic information on the Figure Skating System, including technical layouts and installation.

2 SYSTEM REQUIREMENTS

2.1 Hard and Software Requirements

2.1.1 ISUScore2FS with video replay

- Pentium III (1 GHz) or better, AMD processor 1 GHz, Pentium-M processor 1.4 GHz or better, AMD-M processor
- Microsoft® Windows® XP or higher
- 1 GB RAM or more
- VGA 1024x768 - DirectX9 installed
- 20 GB Hard Drive or more - split, i.e. 8GB for the system, 12GB (NTFS formatted)
- 100 Mbit Network Connection
- Fire wire (onboard or via PCMCIA card)
- For the capturing of the video signal, we recommend at least a consumer DV camera with a video out. However, we rather recommend a semi professional or professional camera with a monitor on the camera to easily follow the competitor. In addition, it is necessary to split the video signal of the camera, because at least the Video Cutter and the Expert are working with a video signal. Furthermore, devices are needed to convert the video signal to a Fire wire signal.
- We recommend using a separate NTFS formatted partition for the video capturing, as the required DirectX9 is not supported by Windows 95 or NT. The system is not tested on Windows 98.
- Although the cutting and Expert applications can be controlled with keyboard, we recommend using a mouse and a big screen.
- For further details on hard and software recommendations, please refer to www.isujudgingsystem.com and the User Manual of ISUScore2FS.

2.1.2 ISUScore2FS without video replay

According section 2.1.1, but with following approvements:

- Dualcore CPU with 2GHz or better
- 2 GB MB RAM or more
- DirectX10 Graphic with capability of 1920x1200
- 100 GB fast Hard Drive or more
- 100 Mbit network connection

For further details on hard and software recommendations, please refer to www.isujudgingsystem.com and the User Manual of ISUScore2FS.

2.1.3 ISUCalcFS

- Intel® Pentium® processor III or IV
- Microsoft® Windows® 2000 with Service Pack 3, Windows XP x86 or Windows7 x64 or x86
- at least 192 MB RAM (256 MB recommended)
- 280 MB free disk space
- Color monitor with at least 16-Bit graphics card
- Screen resolution 1024 x 768 pixels
- CD-ROM drive
- 100 Mbit network connection
- Sufficient number of USB ports

For further details on hard and software recommendations, please refer to www.isujudgingsystem.com and the User Manual of ISUCalcFS.

2.1.4 ISUCutterFS

- Pentium III (1 GHz) or better, AMD processor 1 GHz, Pentium-M processor 1.4 GHz or better, AMD-M processor
- Microsoft® Windows® 2000 or higher
- 256 MB RAM or more
- VGA 1024x768 - DirectX9 installed
- 20 GB Hard Drive or more - split, i.e. 8GB for the system, 12GB (NTFS formatted)
- at least 1 GB free hard disk space for 5min video capture
- 100 Mbit Network Connection
- Fire wire (onboard or via PCMCIA card)

For further details on hard and software recommendations, please refer to www.isujudgingsystem.com and the User Manual of ISUCutterFS.

3 BASIC CONCEPT OF THE ISU JUDGING SYSTEM

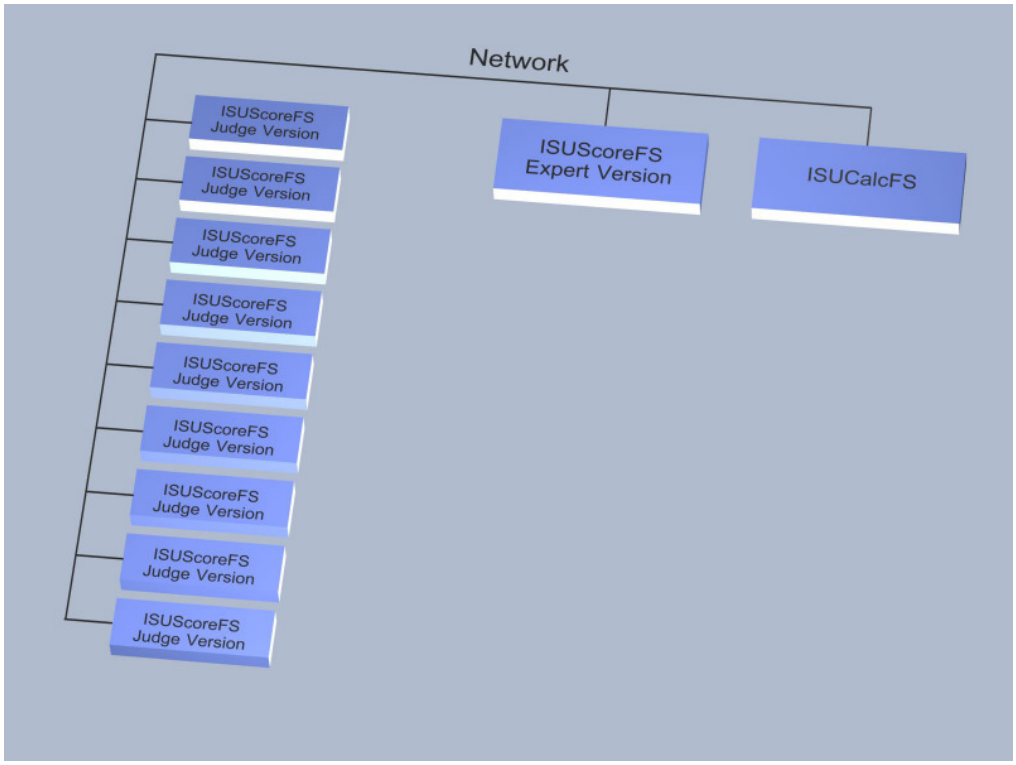

Figure 1 - System Layout of a level 2 system (no video replay)

Figure 1 describes the system layout of the basic New Judging System version. This version features one PC on which ISUCalcFS is run. On a second PC that is operated by the Expert, ISUScore2FS (Expert version) is run. Both PCs are connected to the Judges PCs, on which the Judge version of ISUScore2FS is run.

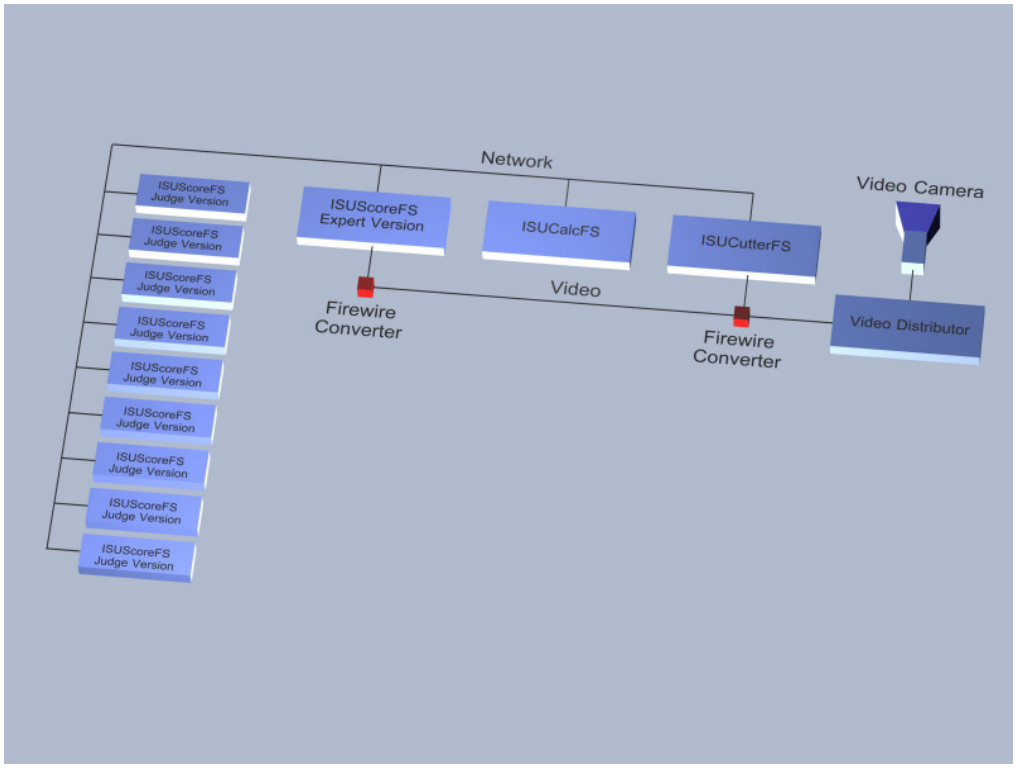

Figure 2 - System Layout incl. video replay for the Technical Panel

Figure 2 depicts the version that includes Video Replay for the Technical Panel. In addition to the setup of the basic version, a video camera is connected to the system to record the Skating performances of the individual Skaters.
In order to edit (cut) the video pictures taken by the camera, an additional PC becomes necessary. The application ISUCutterFS is installed on this PC. The connection to the ISUScore2FS Expert version makes it possible to send the video image to the Expert.

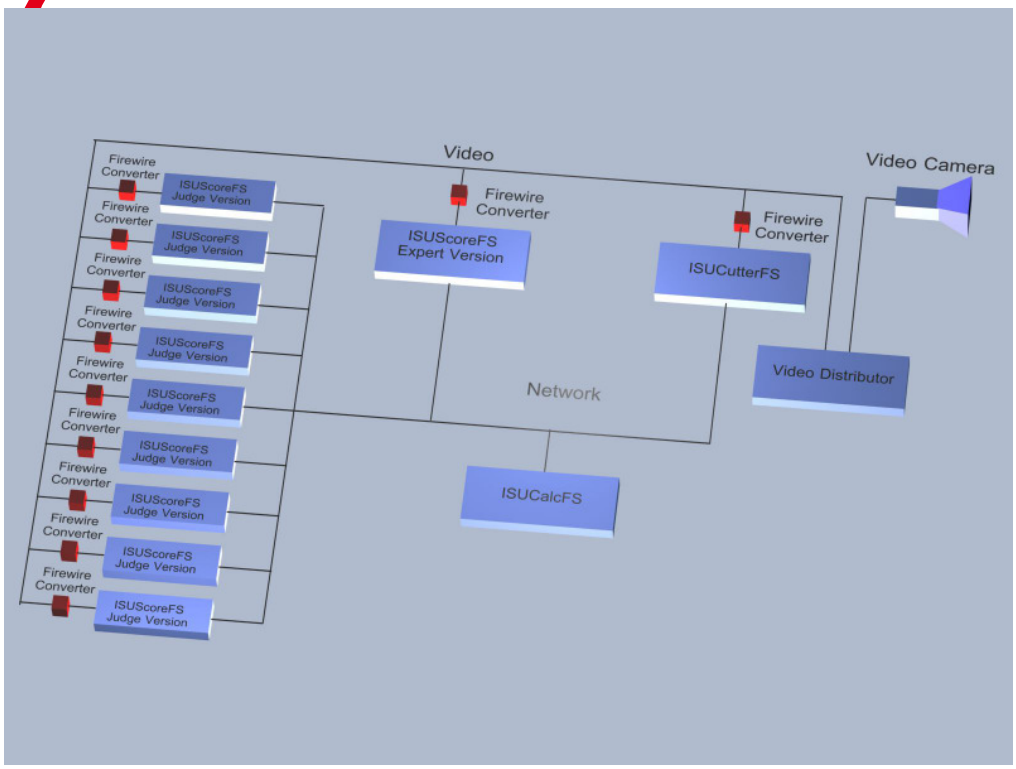

Figure 3 - System Layout incl. video replay for the Technical Panel and all Judges

Figure 3 shows the most advanced setup with video replay image for all Judges.

Network Connection

Operator PCs and Judges PCs are all connected via star layout network, using a LAN switch.

Video Connection

The video signal from the camera is distributed to all connected PCs using an 8x BNC video distributor. The individual video streams from the distributor box get converted to digital video (firewire) using a Canopus video converter, which is connected to each of the PCs.

4 INSTALLATION

Download the software from www.isujudgingsystem.com.

4.1 Setup of the new Judging System

4.1.1 Setting up ISUCalcFS

Set up ISUCalcFS on the PC as depicted in Figure 1. Run the setup of ISUCalcFS by running the setup provided in the download section of www.isujudgingsystem.com. The install wizard is opened:

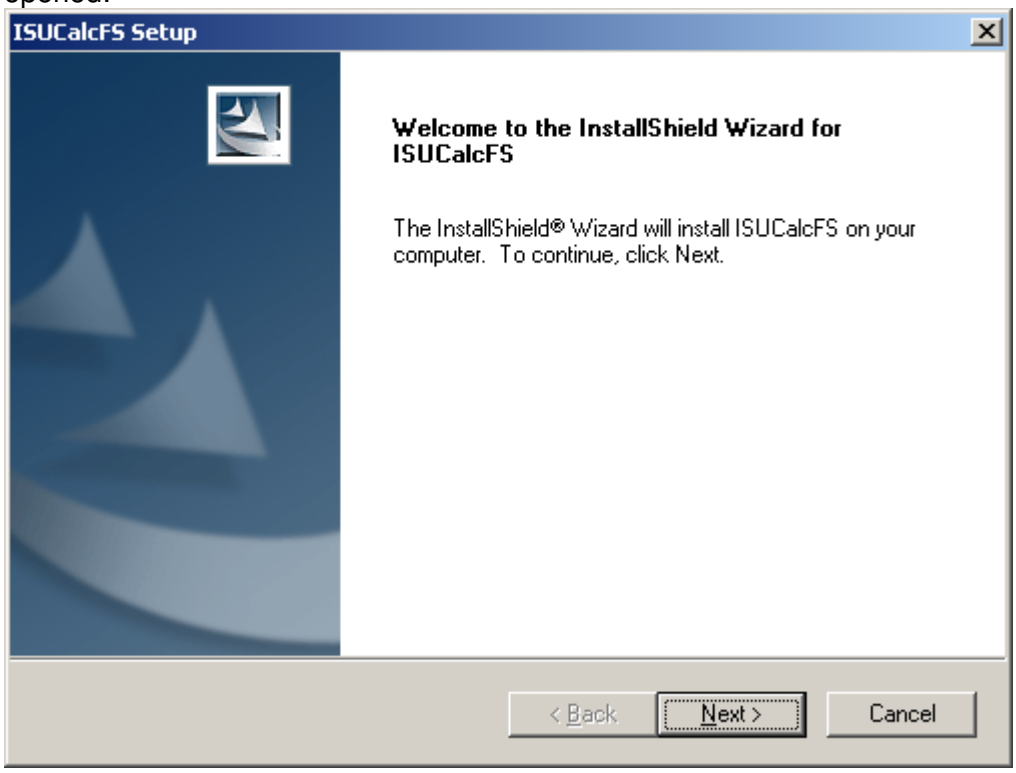
ISUCalcFS Setup
Welcome to the InstallShield Wizard for ISUCalcFS
The InstallShield® Wizard will install ISUCalcFS on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 4 - ISUCalcFS setup opening screen

Click [Next] and confirm to the license agreement by clicking the [Yes] button.
Complete the installation process as directed by the Install Wizard.

4.1.2 Setting up ISUScore2FS

Set up ISUScore2FS on the PC as depicted in Figure 1 System Layout of a level 2 system (no video replay).

Run the setup of ISUScore2FS by clicking on the corresponding link (see **Fehler! Verweisquelle konnte nicht gefunden werden.** Opening Screen of the setup CD). Alternatively, you can download ISUScore2FS on www.isujudgingsystem.com and run the setup.

In the first step, you are required to agree to the license agreement. Complete the installation process as directed by the Install Wizard.

Before you can use the programs, you have to restart the PC. Follow the steps described in the window.

4.2 Setup of a Level 3 System

4.2.1 Installation of ISUCalcFS

Follow the steps described in section 4.1.1 (see also Figure 2).

4.2.2 Installation of ISUScore2FS

Follow the steps described in section 4.1.2 (see also Figure 2).

4.2.3 Installation of ISUCutterFS

This setup requires an additional PC to run ISUCutterFS, an application to cut, save and manage video recordings. For details, please refer to the ISUCutterFS user manual and the system layout depicted in Figure 2 System Layout incl. video replay for the Technical Panel.

4.3 Setup of a Level 3A system

Install ISUCalcFS and ISUScore2FS on the corresponding PCs (ISUCalcFS on one PC, ISUScore2FS on all Judges PCs and the Expert). For details see sections 4.1.1 and section 4.1.2.

In addition, the replay functionality of the ISUCutterFS application needs to be installed on all Judges PCs and the Technical Panel notebook (see **Fehler! Verweisquelle konnte nicht gefunden werden.**). Follow the installation steps described in section 4.2.3.

5 INI FILE, SYSTEM AND PROGRAM SETTINGS

This section gives an overview on recommended ini file, system and program settings.

5.1 General System Settings

In order to avoid any performance issues on your system, make sure to switch off or de-activate

- Firewall
- Virus scanner
- Automatic Windows update

In addition, we recommend switching off the WLAN card (if your notebooks feature WLAN and if you are not using WLAN). Do not use any Virtual Private Network also known as VPN.

Furthermore, we recommend hiding the Windows "Start menu" (right-click on the start bar and select "Properties" and then "Hide the start bar".) This is especially useful on the Judges Panels.

Switch off the sound on the system.

All Computers must be in the same logical LAN, that means they have the same IP-Mask and use the same IP-Adresse-Space.

5.2 Settings in ISUScore2FS

Select "main" for the main expert or "backup" for the second expert.

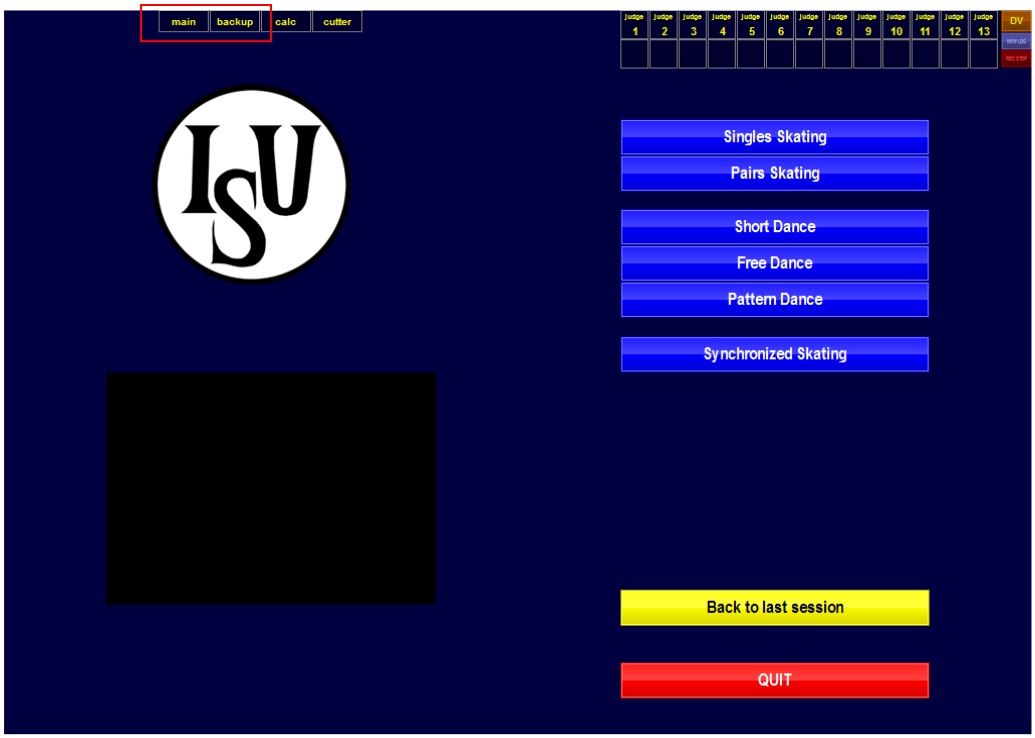

Figure 5 - ISUScore2FS Setup

The judge select his number and choose main or backup system, then he's ready to work.

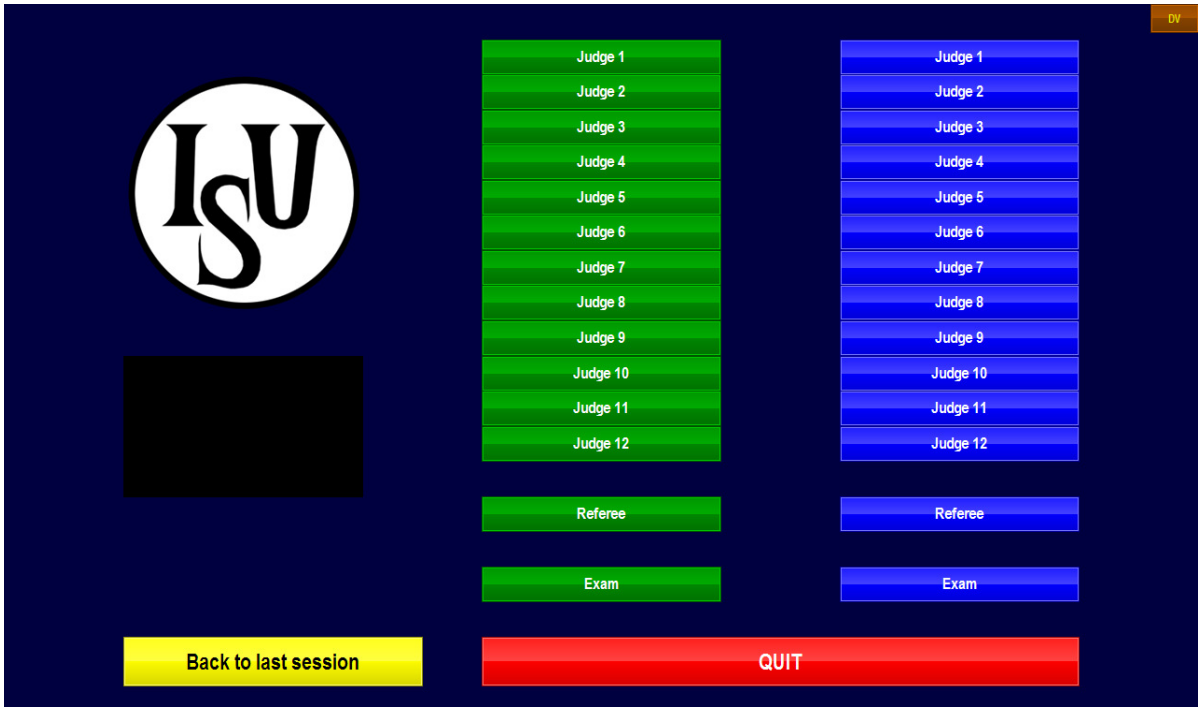

Figure 6 - ISUScore2FS Judge Window

5.3 Settings in ISUCalcFS

The general procedure on how to set up a competition is described in the ISUCalcFS User Manual. In addition, the CalcFS User Manual provides hints on how to modify ISUCalcFS.ini.

6 SUPPORT

For support questions, please see www.isujudgingsystem.com or contact us at support@isujudgingsystem.com.

7 APPENDIX

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7.2 Versions

Version	Date	Modifications since last version
1.0	10/07/2004	Initial version
1.1	02/03/2005	Ini file and program settings added
1.2	09/02/05	Partition req (ISUCutterFS) added
1.3	11/04/06	Re-structuring of document
1.4	01/08/06	IP address correction
1.5	26/10/06	Settings correction
1.6	24/11/06	Settings correction
1.7	18/08/08	VISTA version update
1.8	20/05/2011	Layout Changes
1.9	06/08/2012	Version update (ISUScore2FS, ISUCalcFS)

NOTES

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